



PO No	Supplier	Line Item No	Rel No	Terms	Purchased Item	Description	For Part No	Project	Equipment ID	Order Qty	Due Date	Received Quantity	Accounting Job No	Container No	Status	Receive Date	Price/Unit
PO039300	ACI001-VC	3	1	Net 30	M6061T6S4.500X12.000	6061T6 sheet 4.500 X 12.000 (Cut to 20.000") : MATERIAL: 6061-T6/T651/T6510/T6511/T62 ALUMINUM BAR PER QQ-A-225/8 OR AMS-QQ-A-225/8 OR AMS 4117/4128/4115/4116 OR QQ-A-200/8 OR AMS-QQ-A-200/8 OR AMS 4160 OR ASTM B211 OR ASTM B221 receive ft				2	3/19/2018	2		S055875	Stock	3/28/2018	\$ 331.76 / ft
					MT-4140-B-1.250X6.000	AISI 4140 Steel Bar : Material: AISI 4140 STEEL BAR AS PER ASTM A29, AMS 6349, AMS 6382, AMS 6529, MIL-S-5626 MIN. ROCKWELL C = 28 RC MAX. ROCKWELL C = 32 RC				10	3/28/2018	10		S055876	Stock	3/28/2018	\$ 68.91 / ft
					MT-4140-S-1.000X10.000	AISI 4140 Steel Sheet/Plate AISI 4140/4142 STEEL SHEET OR PLATE AS PER ASTM A829/ AMS 6395				6		6		S055877	Stock	3/28/2018	\$ 94.95 / ft
					MT-4140-S-1.500X3.000	4140 Steel Bar 1.500 X 3.000 : AISI 4140N STEEL SHEET OR PLATE AS PER ASTM A829 OR AMS 6395 MIN. ROCKWELL C = 28 RC MAX: ROCKWELL C = 32 RC receive ft						6		S055878	Stock	3/28/2018	\$ 87.50 / ft
									Total:	24		24					

Plex 3/28/2018 12:56 PM Dart.Dubois.Pascal



Dart Aerospace Ltd.
1270 Aberdeen St
Hawkesbury, ON
K6A 1K7
Canada

Tel (613) 632-5200

PURCHASE ORDER PO039300

Supplier:	ACI001-VC Acier Ouellette Inc. 935 Boul. Du Havre Valleyfield QC J6S 5L1 Canada Phone: 800 667 4248 Fax: 450 377 5696	PO No:	PO039300
		PO Date:	3/13/18
		Due Date:	3/19/18
		Purchase Order Revision:	<i>RE-PRINT</i>
		Revision Date:	
		Ship-To Contact:	Lavoie, Chantal Phone: clavoie@dartaero.com
		Via:	Ground
		Pymt Terms:	Net 30
		Freight Terms:	
		Special Comments:	QUOTE NO. SOU0091255, SOU0089404, SOU0090963, SOU0089881, SOU0089730

Items

Line Item	Part	Supplier Part No	Description	Status	Due Date	Order Quantity	Received Quantity	Balance	Unit Price (CAD)	Extended Price
2	M2024T3S.160		2024-T3 .160 Sheet : MATERIAL: 2024-T3 ALUMINUM SHEET AS PER QQ-A-250/4 OR AMS-QQ-A-250/4 OR AMS 4037 OR ASTM B209 receive sf	Firmed	3/19/18	48 sf	0 sf	48 sf	\$26.190833/sf	\$1,257.16
3	M6061T6S4.500X12.000		6061T6 sheet 4.500 X 12.000 (Cut to 20.00") : MATERIAL: 6061- T6/T651/T6510/T6511/T62 ALUMINUM BAR PER QQ-A-225/8 OR AMS-QQ- A-225/8 OR AMS 4117/4128/4115/4116 OR QQ-A-200/8 OR AMS-QQ- A-200/8 OR AMS 4160 OR ASTM B211 OR ASTM B221 receive ft	Firmed	3/19/18	1.67 ft	0 ft	2 ft	\$331.76047/ft	\$554.04
4	MT-4140-B-1.250X6.000		AISI 4140 Steel Bar : Material: AISI 4140 STEEL BAR AS PER ASTM A29, AMS 6349, AMS 6382, AMS 6529, MIL-S-5626 MIN. ROCKWELL C = 28 RC MAX. ROCKWELL C = 32 RC	Firmed	3/28/18	10 ft	0 ft	10 ft	\$68.905/ft	\$689.05

Line Item Note 1 PCS CUT AT 20" LONG

48

MAR 23 2018

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MAR 28 2018

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MAR 28 2018

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3/22/2018

PURCHASE ORDER

Line Item	Part	Supplier Part No	Items								
			Description	Status	Due Date	Order Quantity	Received Quantity	Balance	Unit Price (CAD)	Extended Price	
6	MT-A513-T-1.125W0.188		A513 Seamless Alloy Steel Round Tubing 1.25"dia. x 0.188" Wall	Firmed	3/19/18	20 ft	0 ft	20 ft	\$7.25/ft	\$145.00	
7	M6061T6TS1.000W.120		6061T6 Sq Tube 1.00 X 1.00 X .120W : MATERIAL: 6061-T6 OR 6061-T651/T6510/T6511/T62 SQUARE TUBING AS PER AMS-QQ-A-225/8 OR AMS 4117/4128/4115/4116 OR PER AMS-QQ-A-200/8 OR AMS 4160 receive ft	Forecast	3/19/18	40 ft	0 ft	40 ft	\$1.69025/ft	\$67.61	
8	M6061T6TS1.250W.120		6061T6 Sq Tube 1.250 X 1.250 X .120W : MATERIAL: 6061-T6 OR 6061-T651/T6510/T6511/T62 SQUARE TUBING AS PER AMS-QQ-A-225/8 OR AMS 4117/4128/4115/4116 OR PER AMS-QQ-A-200/8 OR AMS 4160 receive ft	Forecast	3/19/18	40 ft	0 ft	40 ft	\$1.86125/ft	\$74.45	
9	MT-4140-S-1.000X10.000		AISI 4140 Steel Sheet/Plate AISI 4140/4142 STEEL SHEET OR PLATE AS PER ASTM A829/ AMS 6395	Firmed	3/28/18	6 ft	0 ft	6 ft	\$94.95333/ft	\$569.72	
11	MT-4140-S-1.500X3.000		4140 Steel Bar 1.500 X 3.000 : AISI 4140N STEEL SHEET OR PLATE AS PER ASTM A829 OR AMS 6395 MIN: ROCKWELL C = 28 RC MAX: ROCKWELL C = 32 RC receive ft	Firmed	3/28/18	6 ft	0 ft	6 ft	\$87.50/ft	\$525.00	

Grand Total: \$3,882.03

Order Notes

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Procurement Quality Clauses

A005 right of entry

A012 chemical and physical test report

A016 personnel qualification

A017 raw material identification (as applicable)

A026 certification of material conformance

A041 quality management system

A042 dart notification by supplier

A043 retention of quality documents

A048 counterfeit parts avoidance, detection, mitigation and disposition program

A049 supplier awareness

Terms & Condition of Purchasing(Suppliers) and Procurement Quality Clauses are an integral part of our AS9100 requirements. To learn in detail, please visit www.dartaerospace.com for further explanation.

Plex 3/22/18 7:20 AM dart.lavoie.chantal

DELIVERY - CLIENT

Copy C000078596



ACIER OUELLETTE INC.

Customer N° CLI0001056
935, Boul. du Hâvre
Salaberry de Valleyfield (Québec) J6S 5L1
Date 2018/03/14
Tel.: 450-377-4248 Mtl: 514-336-4248 Ext.: 800-667-4248
Fax: 450-377-5696 Mtl: 514-336-4246 Ext.: 866-456-4242

Delivery date 2018/03/26
Your order N° 039300
Processed by Josianne Bourdon

Billed to
DART AEROSPACE LTD
1270, ABERDEEN ST.
HAWKESBURY, Ontario, K6A 1K7

Shipped to
, Ontario,

Att : CHANTAL LAVOIE Tél.: 613-632-5200

Instruction F-M

Delivery Route 5

Page 1

Product Description	Weight	Qty	U/M	PCS NB			Internal Use Only				
				CMD	EXP	B/O	IN	I	S	C	OUT
1 ALU PLATE 4 1/2 6061-T651 RANDOM PAL-4126061-V 7485	107.58	1.67	P12-\$CLB				1,67	0.2			
<i>1 X 12" X 20" HEAT: 9401559 AC14385-TH-27/03</i>											

Total Weight (Lbs) : 107.58 NIR : R-109516-6

Y M D

Conditions :
All sold and delivered materials remain the property of "Acer Ouellette Inc" until payment is made in full, complete and cashed. All lost materials are at the buyer's expense. The warranty offered by "Acer Ouellette Inc." is the same as offered and honored by the manufacturer and his warranty is transferred by "Acer Ouellette Inc." to the client. The buyer hereby accepts to respect the following conditions: Net 30 days from billing date and the buyer accepts to pay administration charges of 2% per month (24% per annum) on all past due amounts over 30 days. Any default in respect with this contract will lead to payment by acceleration and permits to the seller, at his choice to claim for the balance due or the repossession of the goods sold. All claims must be made within five (5) days with this document enclosed. Any merchandise that has been damaged, cut or modified cannot be returned. All goods returned must be with our authorization and are subject to a 25% restocking charge.

Prepared By : **JG**

Verified By : **MM**

Delivered By : Time

Y M D

Total (\$CAD)

Customer's Signature

DELIVERY - CLIENT

C000078598



ACIER OUELETTE INC.

935, Boul. du Havre
Salaberry de Valleyfield (Québec) J6S 5L1

Tél.: 450-377-4248 Mtl: 514-336-4248 Ext.: 800-667-4248

Fax: 450-377-5696 Mtl: 514-336-4246 Ext.: 866-456-4242

Customer N°
CL0001056

Date
2018/03/14

Delivery date
2018/03/28

Your order N°
039300

Billed to

DART AEROSPACE LTD
1270 , ABERDEEN ST.
HAWKESBURY, Ontario, K6A 1K7

Shipped to

, Ontario,

Att : CHANTAL LAVOIE Tél.: 613-632-5200

Delivery Route
5
Page
1

Instruction
F-M

Product Description

Weight

Qty

U/M

CMD

EXP

B/O

Internal Use Only

NIR : R-109516-6

IN

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OUT

1 PLATE 4140 HEAT TREAT 1 1/4 NS
P4140-114H
8506

1 X 6" X 120" HEAT: 290604
AC14333-FU-26/03

14
6" X 120"
10
1
DAS
MAR 28 2018

Conditions :
All sold and delivered materials remain the property of "Acer Ouellette Inc" until payment is made in full, complete and cashed. All lost materials are at the buyer's expense. The warranty offered by "Acer Ouellette Inc." is the same as offered and honored by the manufacturer and his warranty is transferred by "Acer Ouellette Inc." to the client. The buyer hereby accepts to respect the following conditions: Net 30 days from billing date and the buyer accepts to pay administration charges of 2% per month (24% per annum) on all past due amounts over 30 days. Any default in respect with this contract will lead to payment by acceleration and permits to the seller, at his choice to claim for the balance due or the repossession of the goods sold. All claims must be made within five (5) days with this document enclosed. Any merchandise that has been damaged, cut or modified cannot be returned. All goods returned must be with our authorization and are subject to a 25% restocking charge.

Prepared By :

JQ

Verified By :

MM

Delivered By :

Time

Y | M | D

Customer's Signature

Date

Total (\$CAD)

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CERTIFIED TEST REPORT
Constellium Rolled Products
Ravenswood, LLC

PECKOVERS	110595165	4061	INCLUSION	Serial:20171128-0110595165	Pg 1 of 3		
CUSTOMER PURCHASE ORDER NO. & ITEM PEC-285630			Constellium ORDER NO. 219991	<p>CERTIFICATION "Constellium Rolled Products, hereby certifies that metal shipped under this order has been inspected and found in conformance with the requirements of the applicable specifications as indicated herein. Any warranty is limited to that shown on Constellium Rolled Products' standard General Terms and Conditions of Sales. Test reports are on file, subject to examination." Constellium Rolled Products Ravenswood, LLC 859 Century Road P.O. BOX 68 RAVENSWOOD, WV 26164 USA</p> <p><i>Steve Good</i></p> <p>Steve Good - Laboratory Manager</p>			
ALLOY 6061	CLAD	TEMPER T651	GAUGE 4.50000 in 114.30 mm			WIDTH 48.50000 in 1,232 mm	LENGTH 144.50000 in 3,670 mm
ITEM ORDERED SPEC PLATE, SAWED MILL FINISH							
CUSTOMER SPECIFICATION AMS 4027N							
PART NUMBER		B/L NUMBER 90464	DATE SHIPPED 11/28/2017				
WT. SHIPPED 9445.000 LB	NO. OF PIECES 000003	GOVT. CONTRACT NO.					
ALL LOTS ON THIS CERTIFICATION ALSO CONFORM TO THE FOLLOWING REQUIREMENTS:							
ASME SB209-15 ASTM B209-14 AMS QQ-A-250/11A							
Load Details							
Package	Net Lbs	Kg	Lot	Piece	Serial	Parent Lot	
1001652549	3,150.000	1,428.815	9401558	01			
1001652549	3,150.000	1,428.815	9401558	02			
1001652636	3,145.000	1,426.547	9401559	01			
Lot: 9401558							
Tensile - Room Temperature (US)							
Direction	Tests	Ultimate (KSI) Min	Yield (KSI) Max	Elongation (%) Min	Report		
LT	02	48.0	48.0	43.6	11.5		
LT	02	43.7	11.5	11.5			
Tensile - Room Temperature (SI)							
Direction	Tests	Ultimate (N/MM2) Min	Yield (N/MM2) Max	Elongation (%) Min	Report		
LT	02	331	331	301	11.5		
LT	02	301	301	11.5	11.5		



CERTIFIED TEST REPORT
Constellium Rolled Products
Ravenswood, LLC

PECKOVERS	110595165	4061	INCLUSION	Serial:20171128-0110595165	Pg 2 of 3				
CUSTOMER PURCHASE ORDER NO. & ITEM PEC-285630			Constellium ORDER NO. 219991			<p>CERTIFICATION "Constellium Rolled Products, hereby certifies that metal shipped under this order has been inspected and found in conformance with the requirements of the applicable specifications as indicated herein. Any warranty is limited to that shown on Constellium Rolled Products' standard General Terms and Conditions of Sales. Test reports are on file, subject to examination." Constellium Rolled Products Ravenswood, LLC 859 Century Road P.O. BOX 68 RAVENSWOOD, WV 26164 USA</p> <p><i>Steve Good</i></p> <p>Steve Good - Laboratory Manager</p>			
ALLOY 6061	CLAD	TEMPER T651	GAUGE 4.50000 in 114.30 mm	WIDTH 48.50000 in 1,232 mm	LENGTH 144.50000 in 3,670 mm				
ITEM ORDERED SPEC PLATE, SAWED MILL FINISH									
CUSTOMER SPECIFICATION AMS 4027N									
PART NUMBER		B/L NUMBER 90464		DATE SHIPPED 11/28/2017					
WT. SHIPPED 9445.000 LB	NO. OF PIECES 000003	GOVT. CONTRACT NO.							
Chemistry (Actual)									
Core	SI 0.68	FE 0.46	CU 0.31	MN 0.04	MG 1.03	CR 0.20	ZN 0.08	TI 0.06	ZR 0.00
OTHERS-EACH: .05 MAX. OTHERS TOTAL: .15 MAX. AL REMAINDER									
All material contained in this lot was cast and manufactured in the USA									
Lot: 9401559									
Tensile - Room Temperature (US)									
Direction	Tests	Ultimate (KSI)		Yield (KSI)		Elongation (%)		Report	
		Min	Max	Min	Max	Min	Max		
LT	02	47.6	47.6	43.2	43.4	11.0	11.0		
Tensile - Room Temperature (SI)									
Direction	Tests	Ultimate (N/MM2)		Yield (N/MM2)		Elongation (%)		Report	
		Min	Max	Min	Max	Min	Max		
LT	02	328	328	298	299	11.0	11.0		
P-860-155D REVISED: 10 2014									



CERTIFIED TEST REPORT
Constellium Rolled Products
Ravenswood, LLC

PECKOVERS		110595165	4061	INCLUSION	Serial:20171128-0110595165	Pg 3 of 3			
CUSTOMER PURCHASE ORDER NO. & ITEM PEC-285630				Constellium ORDER NO. 219991		<p>CERTIFICATION "Constellium Rolled Products, hereby certifies that metal shipped under this order has been inspected and found in conformance with the requirements of the applicable specifications as indicated herein. Any warranty is limited to that shown on Constellium Rolled Products' standard General Terms and Conditions of Sales. Test reports are on file, subject to examination." Constellium Rolled Products Ravenswood, LLC 859 Century Road P.O. BOX 68 RAVENSWOOD, WV 26164 USA</p> <p><i>Steve Good</i></p> <p>Steve Good - Laboratory Manager</p>			
ALLOY 6061	CLAD	TEMPER T651	GAUGE 4.50000 in 114.30 mm	WIDTH 48.50000 in 1,232 mm	LENGTH 144.50000 in 3,670 mm				
ITEM ORDERED SPEC PLATE, SAWED MILL FINISH									
CUSTOMER SPECIFICATION AMS 4027N									
PART NUMBER		B/L NUMBER 90464		DATE SHIPPED 11/28/2017					
WT. SHIPPED 9445.000 LB	NO. OF PIECES 000003	GOVT. CONTRACT NO.							
Chemistry (Actual)									
Core	SI 0.71	FE 0.47	CU 0.32	MN 0.06	MG 1.09	CR 0.21	ZN 0.10	TI 0.06	ZR 0.00
OTHERS-EACH: .05 MAX. OTHERS TOTAL: .15 MAX. AL REMAINDER									
All material contained in this lot was cast and manufactured in the USA									
<p>THIS TEST REPORT SHALL NOT BE REPRODUCED EXCEPT IN FULL, WITHOUT THE WRITTEN APPROVAL OF THE LABORATORY OR AUTHORIZED QUALITY DELEGATE. THE RECORDING OF FALSE, FICTITIOUS, OR FRAUDULENT STATEMENTS OR ENTRIES ON THE CERTIFICATE MAY BE PUNISHED AS A FELONY UNDER FEDERAL LAW.</p> <p>CHEMISTRY BY OES: ARKSPARK</p> <p>CHEMISTRIES REPORTED IN PERCENTAGE BY WEIGHT</p> <p>WHEN FRACTURE TOUGHNESS TEST REQUIRED, TESTED PER ASTM E399</p> <p>WHEN TENSILE TEST REQUIRED, TESTED PER ASTM E8; B557</p> <p>DUNS Number: 090570149; CAGE Code: 1YWL9</p> <p>Mercury is not a normal contaminant in aluminum alloys and neither mercury nor any of its compounds were utilized in the manufacture of our product.</p> <p>"END OF CERTIFICATION"</p>									
P-860-155D REVISED: 10 2014									

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DART

**Chemical certification
Certification chimique**

Order Num / No. Commande AC-14333	Vendor / Fournisseur 46	Country of origin / Pay d'origine SLOVENIA	Date 12/18/14	Heat / coulée 290604	Material ID # / No. matériel
Grade / Nuance 4140 PLT	Conditions HEAT TREATED, Q&T				
Shape / Forme PLT	Size / Dimension 1.250	Specifications ASTM A434 / SAE J404 / ASTM A829-06			

Chemical composition / Analyse chimique

Carbon (C)	Silicon (Si)	Manganese (Mn)	Phosphorus (P)
Mini / maxi 0.3700 / 0.4400	0.1500 / 0.3500	0.6500 / 1.1000	0.0100 / 0.0190
Actuel % 0.417	0.250	0.760	0.009
Sulphur (S)	Chromium (Cr)	Nickel (Ni)	Molybdenum (Mo)
Mini / maxi 0.0200 / 0.0400	0.7500 / 1.2000	0.1000 / 0.2000	0.1500 / 0.2500
Actuel % 0.002	0.970	0.000	0.180
Cooper (Cu)	Vanadium (V)	Aluminum (Al)	Tungsten (W)
Mini / maxi 0.1900 / 0.2900	0.0400 / 0.0500	0.0000 / 0.0000	0.0000 / 0.0000
Actuel % 0.000	0.030	0.000	0.000
Cobalt (Co)	Titanium (Ti)		
Mini / maxi 0.0000 / 0.0000	0.0000 / 0.0000	0.0000 / 0.0000	0.0000 / 0.0000
Actuel % 0.000	0.000	0.000	0.000

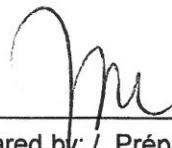
Mechanical properties / Propriétés Mécaniques

Yield strenght / Élasticité	Tensile / Rés. à la traction	Elongation / Allon. (%)	Red. of area / Surface (%)	RC	Surface Hd / Dureté
0.000	PSI	0.000	PSI	0.00	0.00

Note:

We certify that the above data has been verified and are conform to an original mill or supplier certificate supplied to us with the material

Nous certifions que les données ci haut ont été vérifier et sont conformes d'après un certificat originale qui nous a été fourni par notre fournisseur.


Prepared by: / Préparé par:

10.78591

PO.14531N

DART

**Chemical certification
Certification chimique**

Order Num / No. Commande AC-14331	Vendor / Fournisseur 46	Country of origin / Pay d'origine SLOVENIA	Date 09/10/16	Heat / coulée 297081	Material ID # / No. matière
Grade / Nuance 4140 PLT	Conditions HEAT TREATED Q&T E+VD				
Shape / Forme FLT	Size / Dimension 1.000	Specifications ASTM A829/A829M			

Chemical composition / Analyse chimique

Carbon (C)	Silicon (Si)	Manganese (Mn)	Phosphorus (P)
Mini / maxi 0.3700 / 0.4400	0.1500 / 0.3500	0.6500 / 1.1000	0.0100 / 0.0190
Actuel % 0.400	0.226	0.804	0.009
Sulphur (S)	Chromium (Cr)	Nickel (Ni)	Molybdenum (Mo)
Mini / maxi 0.0200 / 0.0400	0.7500 / 1.2000	0.1000 / 0.2000	0.1500 / 0.2500
Actuel % 0.001	0.990	0.120	0.160
Cooper (Cu)	Vanadium (V)	Aluminum (Al)	Tungsten (W)
Mini / maxi 0.1900 / 0.2900	0.0400 / 0.0500	0.0000 / 0.0000	0.0000 / 0.0000
Actuel % 0.194	0.036	0.034	0.000
Cobalt (Co)	Titanium (Ti)		
Mini / maxi 0.0000 / 0.0000	0.0000 / 0.0000	0.0000 / 0.0000	0.0000 / 0.0000
Actuel % 0.000	0.000	0.000	0.000

Mechanical properties / Propriétés Mécaniques

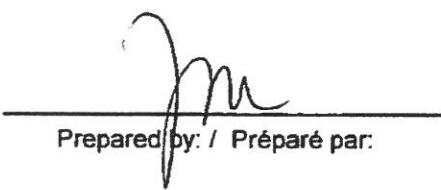
Yield strenght / Élasticité	Tensile / Rés. à la traction	Elongation / Allon. (%)	Red. of area / Surface (%)	RC	Surface Hd / Dureté
0.000	PSI	0.000	PSI	0.00	277

Note:

We certify that the above data has been verified and are conform to an original mill or supplier certificate supplied to us with the material

Nous certifions que les données ci haut ont été vérifier et sont conformes d'après un certificat originale qui nous a été fourni par notre fournisseur.

Prepared by: / Préparé par:



Chemical certification
Certification chimique

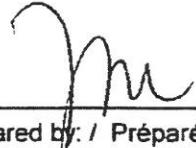
Order Num / No. Commande AC-14331	Vendor / Fournisseur 46	Country of origin / Pay d'origine SLOVENIA	Date 04/28/17	Heat / coulée 300188	Material ID # / No. matière
Grade / Nuance 4140 PLT	Conditions HEAT TREATED; Q&T E+VD				
Shape / Forme PLT	Size / Dimension 1.500	Specifications ASTM A829/A829M			

Chemical composition / Analyse chimique					
Carbon (C)	Silicon (Si)	Manganese (Mn)	Phosphorus (P)		
Mini / maxi 0.3700 / 0.4400	0.1500 / 0.3500	0.6500 / 1.1000	0.0100 / 0.0190		
Actuel % 0.400	0.227	0.814	0.008		
Sulphur (S)	Chromium (Cr)	Nickel (Ni)	Molybdenum (Mo)		
Mini / maxi 0.0200 / 0.0400	0.7500 / 1.2000	0.1000 / 0.2000	0.1500 / 0.2500		
Actuel % 0.001	0.970	0.240	0.170		
Cooper (Cu)	Vanadium (V)	Aluminum (Al)	Tungsten (W)		
Mini / maxi 0.1900 / 0.2900	0.0400 / 0.0500	0.0000 / 0.0000	0.0000 / 0.0000		
Actuel % 0.178	0.035	0.025	0.000		
Cobalt (Co)	Titanium (Ti)				
Mini / maxi 0.0000 / 0.0000	0.0000 / 0.0000	0.0000 / 0.0000	0.0000 / 0.0000	0.0000 / 0.0000	
Actuel % 0.000	0.000	0.000	0.000	0.000	0.000
Mechanical properties / Propriétés Mécaniques					
Yield strength / Élasticité	Tensile / Rés. à la traction	Elongation / Allon. (%)	Red. of area / Surface (%)	RC	Surface Hd / Dureté
0.000 PSI	0.000 PSI	0.00	0.00		276/286 BHN

Note:

We certify that the above data has been verified and are conform to an original mill or supplier certificate supplied to us with the material

Nous certifions que les données ci haut ont été vérifier et sont conformes d'après un certificat originale qui nous a été fourni par notre fournisseur.


Prepared by: / Préparé par:

MATERIAL RECEIPT INSPECTION FORM

MATERIAL: M6061T654.500X12.000
 DATE: MAR 28 2018

PO / BATCH NO.: 039300/5055875

MATERIAL CERT REC'D: YES
 QUANTITY RECEIVED: 1.67 Pcs
 QUANTITY INSPECTED: 1.67 Pcs
 QUANTITY REJECTED: 0

THICKNESS ORDERED: 4.500
 THICKNESS RECEIVED: 4.500
 SHEET SIZE ORDERED: N/A
 SHEET SIZE RECEIVED: N/A

DESCRIPTION	NCR (Check Y/N)	COMMENTS
SURFACE DAMAGE	<u>Y</u> <u>N</u>	
CORRECT FINISH	<u>Y</u> <u>N</u>	
CORROSION	<u>Y</u> <u>N</u>	
CORRECT GRAIN DIRECTION	<u>Y</u> <u>N</u>	
CORRECT MATERIAL PER M-DRAWING	<u>Y</u> <u>N</u>	<i>ASTM B209</i>
CORRECT THICKNESS	<u>Y</u> <u>N</u>	
PHOTO REQUIRED	<u>X</u> <u>N</u>	
CORRECT REF # TO LINK CERT	<u>Y</u> <u>N</u>	<i>Heat # F9401559</i>
CORRECT MATERIAL IDENTIFICATION	<u>Y</u> <u>N</u>	
CORRECT M# ON THE MATERIAL	<u>Y</u> <u>N</u>	
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	<u>Y</u> <u>N</u>	
DOES THIS REQUIRE AN EXTRUSION REPORT	<u>Y</u> <u>N</u>	

CUT SAMPLE PIECE OF MATERIAL AND PREFORM A HARDNESS CHECK. RECORD RESULTS BELOW					
TYPE OF MATERIAL SIZE OF TEST SAMPLE HARDNESS / DUROMETER READING	HRC	HRB	DUR A	DUR D	WEBSTER

testers located in the Quality Office

QC 18 INSPECTION		ENGINEERING SIGNOFF (if required)	
INSPECTED BY:	<u>DAS</u> <u>11</u>	SIGNED OFF BY:	
DATE:	<u>9-89 MAR 28 2018</u>	DATE:	

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in

SPECIFICATION CONTROL DRAWING

8	7	6	5	4	3	2	1												
D							D												
<p>△ PURCHASE MATERIAL: M606-T6/T62/T651 ALUMINUM SHEET OR PLATE</p> <p>SPECIFICATION: QQ-A-250/11 OR AMS-QQ-A-250/11 OR AMS-4025 OR 4027 OR ASTM B209</p>																			
<p>△ PART NUMBER:</p> <table border="1" style="margin-left: auto; margin-right: auto; border-collapse: collapse;"> <tr> <td style="padding: 2px;">M6061T6S</td> <td style="padding: 2px;">XXX</td> <td style="padding: 2px;">X</td> <td style="padding: 2px;">W.WWW</td> <td style="padding: 2px;"> </td> <td style="padding: 2px;">WIDTH</td> </tr> <tr> <td style="padding: 2px;">THK</td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </table> <p>WHERE "XXX" = THICKNESS (IN INCHES) AND "W.WWW" = WIDTH (IN INCHES, OPTIONAL, FOR SPECIFYING CUT PLATE)</p> <p>EG. 0.063" THICK SHEET = M6061T6S.063 EG. 3.5" WIDE BY 0.500" THICK PLATE = M6061T6S.500X3.500</p>								M6061T6S	XXX	X	W.WWW		WIDTH	THK					
M6061T6S	XXX	X	W.WWW		WIDTH														
THK																			
<p>△ PREFERRED SIZE:</p> <p>XXX BY 4FT BY 8FT FOR SHEET</p>																			
C		C		B		A													
<p>△ EASER:</p> <p>DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA REV. C SHEET 1 OF 1 SCALE NTS</p>																			
<p>APPROVED:</p> <p>DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA REV. C SHEET 1 OF 1 SCALE NTS</p>																			
<p>REFORMAT DWG. ADD B209 SPEC (ZN D8-1), REF PAR 08-020A NEW ISSUE</p>																			
<p>REF. NO.</p>																			
<p>DESIGN DRAWN CHECKED MFG. APPR. APPROVED DE APPR. DATE</p>																			
<p>DS ML NO JFS HS CP 17.12.13</p>																			
<p>REV. NO.</p>																			
<p>DRAWING NO.</p>																			
<p>TITLE</p>																			
<p>CP #</p>																			
<p>6061-T6 SHEET/PLATE SPEC</p>																			
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MATERIAL RECEIPT INSPECTION FORM

MATERIAL: MF-4140-B-1.250x6.000
 DATE: MAR 28 2018

PO / BATCH NO.: 039300/5055876

MATERIAL CERT REC'D: yes
 QUANTITY RECEIVED: 10
 QUANTITY INSPECTED: 10
 QUANTITY REJECTED: 0

THICKNESS ORDERED: 1.250
 THICKNESS RECEIVED: 1.250
 SHEET SIZE ORDERED: N/A
 SHEET SIZE RECEIVED: N/A

DESCRIPTION	NCR (Check Y/N)	COMMENTS
SURFACE DAMAGE	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	
CORRECT FINISH	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	
CORROSION	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	
CORRECT GRAIN DIRECTION	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	
CORRECT MATERIAL PER M-DRAWING	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	<i>Astan 829</i>
CORRECT THICKNESS	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	
PHOTO REQUIRED	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	
CORRECT REF # TO LINK CERT	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	<i>Heat # 290604</i>
CORRECT MATERIAL IDENTIFICATION	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	
CORRECT M# ON THE MATERIAL	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	
DOES THIS REQUIRE AN EXTRUSION REPORT	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	

CUT SAMPLE PIECE OF MATERIAL AND PREFORM A HARDNESS CHECK. RECORD RESULTS BELOW					
TYPE OF MATERIAL SIZE OF TEST SAMPLE HARDNESS / DUROMETER READING	HRC	HRB	DUR A	DUR D	WEBSTER

testers located in the Quality Office

QC 18 INSPECTION	ENGINEERING SIGNOFF (if required)
INSPECTED BY: <u>DAS</u> <u>11</u>	SIGNED OFF BY: _____
DATE: <u>9-89 MAR 28 2018</u>	DATE: _____

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in

SPECIFICATION CONTROL DRAWING

PURCHASE MATERIAL : AISI 4140 / 4142 STEEL SHEET OR PLATE
MINIMUM ROCKWELL C = 28 RC
MAXIMUM ROCKWELL C = 32 RC

SPECIFICATION.

PART NUMBER:

MT-4140-S-[T.TTT] x [W.WWW]
WHERE "T.TTT" = THICKNESS IN INCHES
WHERE "W.WWW" = WIDTH IN INCHES (OPTIONAL FOR SPECIFYING CUT PLATE)

EX. 0.063" THICK SHEET = MT-4140-S-0.063
EX. 3.5" WIDE BY 500" THICK PLATE = MT-1140-S-0.063

1	2	3	4	5	6	7	8
REV.	DESCRIPTION	ECN #	DATE	BY	APPROVED		
A	NEW ISSUE	18-544	18-2-13	VM	MI		



MATERIAL RECEIPT INSPECTION FORM

MATERIAL: MT-4140-5-1.000X10.000 PO / BATCH NO.: 0393075055877
 DATE: MAR 28 2018

MATERIAL CERT REC'D: YES
 QUANTITY RECEIVED: 6
 QUANTITY INSPECTED: 6
 QUANTITY REJECTED: 0

THICKNESS ORDERED: 1.000
 THICKNESS RECEIVED: 1.000
 SHEET SIZE ORDERED: N/A
 SHEET SIZE RECEIVED: N/A

DESCRIPTION	NCR (Check Y/N)		COMMENTS
SURFACE DAMAGE	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
CORRECT FINISH	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
CORROSION	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
CORRECT GRAIN DIRECTION	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
CORRECT MATERIAL PER M-DRAWING	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<i>Astm A829</i>
CORRECT THICKNESS	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
PHOTO REQUIRED	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
CORRECT REF # TO LINK CERT	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<i>Hard# 297081</i>
CORRECT MATERIAL IDENTIFICATION	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
CORRECT M# ON THE MATERIAL	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
DOES THIS REQUIRE AN EXTRUSION REPORT	<input type="checkbox"/>	<input checked="" type="checkbox"/>	

CUT SAMPLE PIECE OF MATERIAL AND PERFORM A HARDNESS CHECK. RECORD RESULTS BELOW					
TYPE OF MATERIAL SIZE OF TEST SAMPLE HARDNESS / DUROMETER READING	HRC	HRB	DUR A	DUR D	WEBSTER

testers located in the Quality Office

QC 18 INSPECTION		ENGINEERING SIGNOFF (if required)	
INSPECTED BY:	<u>DAS</u> <u>11</u>	SIGNED OFF BY:	
DATE:	<u>9-89</u> <u>MAR 28 2018</u>	DATE:	

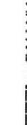
Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in

SPECIFICATION CONTROL DRAWING

PURCHASE MATERIAL : AISI 4140 / 4142 STEEL SHEET OR PLATE
MINIMUM ROCKWELL C = 28 Rc
MAXIMUM ROCKWELL C = 32 Rc

SPECIFICATION

PART NUMBER:

AISI 4140 / 4142 STEEL SHEET OR PLATE
 MINIMUM ROCKWELL C = 28 Rc
 MAXIMUM RQCKWELL C = 32 Rc

 MT-4140-S-[T.TTT] x [W.WWW]
 WHERE "T.TTT" = THICKNESS IN INCHES
 WHERE "W.WWW" = WIDTH IN INCHES
 ASTM A829, AMS 6395

EX. 0.063" THICK SHEET = MT-4140-S-0.063
EX. 3 5/8" WIDE BY 500" THICK PLATE = MT-4140-S-500X3 5/8

REV.	DESCRIPTION	ECN #	DATE	BY	APPROVED		
8	7	6	5	4	3	2	1
A	NEW ISSUE	18-544	18.2.13	VM	ML		



MATERIAL RECEIPT INSPECTION FORM

MATERIAL: MT4140-9-1.500X3.000 PO / BATCH NO.: 039300/5055878
 DATE: MAR 28 2018

MATERIAL CERT REC'D: YES
 QUANTITY RECEIVED: 61
 QUANTITY INSPECTED: 61
 QUANTITY REJECTED: 0

THICKNESS ORDERED: 1.500
 THICKNESS RECEIVED: 1.500
 SHEET SIZE ORDERED: W/L
 SHEET SIZE RECEIVED: W/L

DESCRIPTION	NCR (Check Y/N)	COMMENTS
SURFACE DAMAGE	Y <input checked="" type="checkbox"/> N <input type="checkbox"/>	
CORRECT FINISH	Y <input checked="" type="checkbox"/> N <input type="checkbox"/>	
CORROSION	Y <input checked="" type="checkbox"/> N <input type="checkbox"/>	
CORRECT GRAIN DIRECTION	Y <input checked="" type="checkbox"/> N <input type="checkbox"/>	
CORRECT MATERIAL PER M-DRAWING	Y <input checked="" type="checkbox"/> N <input type="checkbox"/>	Astan A829
CORRECT THICKNESS	Y <input checked="" type="checkbox"/> N <input type="checkbox"/>	
PHOTO REQUIRED	Y <input checked="" type="checkbox"/> N <input type="checkbox"/>	
CORRECT REF # TO LINK CERT	Y <input checked="" type="checkbox"/> N <input type="checkbox"/>	Heat # 300182
CORRECT MATERIAL IDENTIFICATION	Y <input checked="" type="checkbox"/> N <input type="checkbox"/>	
CORRECT M# ON THE MATERIAL	Y <input checked="" type="checkbox"/> N <input type="checkbox"/>	
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	Y <input checked="" type="checkbox"/> N <input type="checkbox"/>	
DOES THIS REQUIRE AN EXTRUSION REPORT	Y <input checked="" type="checkbox"/> N <input type="checkbox"/>	

CUT SAMPLE PIECE OF MATERIAL AND PREFORM A HARDNESS CHECK. RECORD RESULTS BELOW					
TYPE OF MATERIAL SIZE OF TEST SAMPLE HARDNESS / DUROMETER READING	HRC	HRB	DUR A	DUR D	WEBSTER

testers located in the Quality Office

QC 18 INSPECTION	ENGINEERING SIGNOFF (if required)
INSPECTED BY: <u>DAS</u> <u>11</u>	SIGNED OFF BY: _____
DATE: <u>9-89 MAR 28 2018</u>	DATE: _____

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in

REV.	REV.	DESCRIPTION	ECN #	DATE	BY	APPROVED
A		NEW ISSUE	18-544	18.2.13	VM	ML

SPECIFICATION CONTROL DRAWING

PURCHASE MATERIAL: *[Signature]* **ASTM A829, AMS 6395**
 MAXIMUM ROCKWELL C = 28 Rc
 MAXIMUM ROCKWELL C = 32 Rc

SPECIFICATION:

ASTM A829, AMS 6395

MATERIAL: MT-4140-S-[T].[TTT]x[W].[WWW]
 WHERE "T.[TTT]" = THICKNESS IN INCHES
 WHERE "W.[WWW]" = WIDTH IN INCHES (OPTIONAL FOR SPECIFYING CUT PLATE)

EX. 0.063" THICK SHEET = MT-4140-S-0.063
 EX. 3.5" WIDE BY 0.500" THICK PLATE = MT-4140-S-0.500X3.500

DART AEROSPACE		Head Office, Ontario, Canada	
TITLE			
AISI 4140 / 4142 STEEL SHEET OR PLATE			
PART NO.		REV.	
MT-4140-S		A	
TOOL NO. -			
UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN INCHES DRAWINGS ARE IN INCHES ALL DIMENSIONS ARE IN MILLIMETERS TOLERANCES: ± .063 XX ± .01 X ± .5 SURFACE FINISH: ± .1			
DESIGNED BY:	VN 2/13/2018	TOOLING:	FRACTIONS: ± 1/8
DRAINED BY:	VN 02/13/2018	CHECKED BY:	ANGLES: ± .01
MAILED BY:	VN 02/13/2018	APPROVED BY:	X SURFACE FINISH: ± .1
APPROVED BY:	VN 02/13/2018	SCALE: NTS	SHEET 1 OF 1
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